

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S2	13	("4787691" "4997246" "5237639" "5838870").PN. OR ("6580863").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/12/31 17:24
S3	537	((optic\$5) with (fiber\$4) with (waveguid\$6 or planar) same taper\$6 same mod\$2	US-PGPUB; USPAT; USOCR	OR	ON	2007/12/31 17:26
S4	13	("4787691" "4997246" "5237639" "5838870").PN. OR ("6580863").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/01 17:15
S5	932	(waveguide) same (core with taper\$5)	US-PGPUB; USPAT	OR	ON	2008/12/01 17:17
S6	48856	"385".clas.	US-PGPUB; USPAT	OR	ON	2008/12/01 17:17
S7	12537	(core with taper\$5)	US-PGPUB; USPAT	OR	ON	2008/12/01 17:18
S8	401	(core with taper\$5 with (horizontal\$4 vertical\$4))	US-PGPUB; USPAT	OR	ON	2008/12/01 17:18
S9	1636	S6 and S7	US-PGPUB; USPAT	OR	ON	2008/12/01 17:18
S10	93	S6 and S8	US-PGPUB; USPAT	OR	ON	2008/12/01 17:18
S11	62	(core with taper\$5 with (horizontal\$4 with vertical\$4))	US-PGPUB; USPAT	OR	ON	2008/12/01 17:18
S12	77	S10 not S11	US-PGPUB; USPAT	OR	ON	2008/12/01 17:25
S13	767	(waveguide) with (core with taper\$5)	US-PGPUB; USPAT	OR	ON	2008/12/02 10:50
S14	48892	"385".clas.	US-PGPUB; USPAT	OR	ON	2008/12/02 10:50
S15	605	S13 and S14	US-PGPUB; USPAT	OR	ON	2008/12/02 10:50
S16	852	(waveguid\$4 lightguid\$4 lightrod lightpipe light-rod light-pipe (wave near1 guid\$4) (light near1 guid\$4) with (core) with taper\$4	US-PGPUB; USPAT	OR	ON	2008/12/02 10:54
S17	1206	(waveguid\$4 lightguid\$4 lightrod lightpipe light-rod light-pipe (wave near1 guid\$4) (light near1 guid\$4) with (core) with (taper\$4 narrow\$4)	US-PGPUB; USPAT	OR	ON	2008/12/02 10:56
S18	77	(waveguid\$4 lightguid\$4 lightrod lightpipe light-rod light-pipe (wave near1 guid\$4) (light near1 guid\$4) with (core) with (taper\$4 narrow\$4) with (horizontal\$4 vertical\$4)	US-PGPUB; USPAT	OR	ON	2008/12/02 10:56
S19	119	(waveguid\$4 lightguid\$4 lightrod lightpipe light-rod light-pipe (wave near1 guid\$4)	US-PGPUB; USPAT	OR	ON	2008/12/02 10:57

		(light near1 guid\$4)) with (core) with (taper\$4 narrow\$4) with (horizontal\$4 vertical\$4 step)					
S20	126	(waveguid\$4 lightguid\$4 lightrod lightpipe light-rod light-pipe (wave near1 guid\$4) (light near1 guid\$4)) with (core) with (taper\$4 narrow\$4) with (horizontal\$4 vertical\$4 step\$5)	US-PGPUB; USPAT	OR	ON	2008/12/02 10:57	
S21	493	(waveguid\$4 lightguid\$4 lightrod lightpipe light-rod light-pipe (wave near1 guid\$4) (light near1 guid\$4)) with (core) with (taper\$4 narrow\$4) with (horizontal\$4 vertical\$4 step\$5 side width thick\$4 height\$4)	US-PGPUB; USPAT	OR	ON	2008/12/02 10:57	
S22	376	(waveguid\$4 lightguid\$4 lightrod lightpipe light-rod light-pipe (wave near1 guid\$4) (light near1 guid\$4)) with (core) with (taper\$4 narrow\$4) near5 (horizontal\$4 vertical\$4 step\$5 side width thick\$4 height\$4)	US-PGPUB; USPAT	OR	ON	2008/12/02 10:58	
S23	3	("5930423" "6760520" "20030081924").pn.	US-PGPUB; USPAT	OR	ON	2008/12/02 10:59	
S24	255	(waveguid\$4 lightguid\$4 lightrod lightpipe light-rod light-pipe (wave near1 guid\$4) (light near1 guid\$4)) with (taper\$4 narrow\$4) near5 core near5 (horizontal\$4 vertical\$4 step\$5 side width thick\$4 height\$4)	US-PGPUB; USPAT	OR	ON	2008/12/02 11:01	
S25	1183	385/43.ccls.	US-PGPUB; USPAT	OR	ON	2008/12/02 11:06	
S26	2	10/498182	US-PGPUB; USPAT	OR	ON	2009/02/04 11:20	
S27	1	10/583523	US-PGPUB; USPAT	OR	ON	2009/02/04 13:32	
S28	1	"7197224".pn.	US-PGPUB; USPAT	OR	ON	2009/09/04 11:14	
S29	1	10/583523	US-PGPUB; USPAT; USOCOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/05/27 12:01	
S30	146	385/28,31,39,43,49,50,129-132.ccls. and ((waveguide core) with taper\$3) with (convert\$4 transform\$4) with (mode) and @ad<"20070724"	US-PGPUB; USPAT	OR	ON	2010/05/27 12:10	
S31	456	385/28,31,39,43,49,50,129-132.ccls. and ((progress\$5 step increment\$4) with taper\$3) and @ad<"20070724" not (385/28,31,39,43,49,50,129-132.ccls. and ((waveguide core) with taper\$3) with (convert\$4 transform\$4) with (mode) and @ad<"20070724")	US-PGPUB; USPAT	OR	ON	2010/05/27 14:05	
S32	1907	385/49.ccls.	US-PGPUB; USPAT; USOCOR; FPRS; EPO; JPO;	OR	ON	2011/12/03 13:43	

				DERWENT; IBM_TDB			
/JMB/	S33	381	385/49.ccls. and (taper\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/12/03 13:43
/JMB/	S34	694	385/28,31,39,43,49,50,129-132.ccls. and ((waveguide core) with (wide\$4 narrow\$3)) with (mode modal) and @ad<"20070724"	US-PGPUB; USPAT	OR	ON	2011/12/04 14:03
/JMB/	S35	435	385/28,31,39,43,49,50,129-132.ccls. and ((waveguide core) with (wide\$4 narrow\$3)) with (mode modal) and @ad<"20070724" and (mode modal) with (convert\$4 transduc\$4 transform\$5 chang\$3 adjust\$3)	US-PGPUB; USPAT	OR	ON	2011/12/04 14:13
/JMB/	S36	199	385/88-94.ccls. and (waveguide core) with (taper\$3)	US-PGPUB; USPAT	OR	ON	2011/12/04 14:16
/JMB/	S37	134	(choudhury near2 masum oron near2 moshe stanczyk near2 thomas richardson near2 dean oron near2 ram donval near2 ariela).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/12/04 16:42
/JMB/	S38	436	385/28,31,39,43,49,50,129-132.ccls. and ((waveguide core) with (wide\$4 narrow\$3)) with (mode modal) and @ad<"20070724" and (mode modal) with (convert\$4 transduc\$4 transform\$5 chang\$3 adjust\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/12/04 16:44
/JMB/	S39	699	385/28,31,39,43,49,50,129-132.ccls. and ((waveguide core) with (wide\$4 narrow\$3)) with (mode modal) and @ad<"20070724"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/12/04 16:44
	S40	199	385/88-94.ccls. and (waveguide core) with (taper\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/12/04 16:44
/JMB/	S41	442	("20020001433" "20020031304" "20020039469" "20020085602" "20030002793" "20030044118" "20030053756" "20030068149" "20030068152" "20030103760" "20030118310" "20030133661" "20040017976" "3419321" "3610727" "3617109" "3774987" "3806226" "3894789" "3984173" "4066482" "4097118" "4176911" "4199222" "4229067" "4275288" "4296143" "4349905" "4370021" "4384038"	US-PGPUB; USPAT; USOCR	OR	ON	2011/12/04 16:46

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"4490020"	"4497860"	"4500164"
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"4566753"	"4585299"	"4654532"
"4666236"	"4676586"	"4678267"
"4681396"	"4688884"	"4697867"
"4737004"	"4744615"	"4744619"
"4763976"	"4768199"	"4773720"
"4789642"	"4795228"	"4799755"
"4807954"	"4844574"	"4877300"
"4886538"	"4927781"	"4931077"
"4932989"	"4942585"	"4946239"
"4961198"	"4984885"	"4991926"
"4997250"	"4999686"	"5005108"
"5009475"	"5011254"	"5018809"
"5048907"	"5057022"	"5071216"
"5073002"	"5078516"	"5108201"
"5135590"	"5136480"	"5138676"
"5140651"	"5142596"	"5153935"
"5172143"	"5199092"	"5208882"
"5265177"	"5278926"	"5281305"
"5323476"	"5327445"	"5351323"
"5354709"	"5365538"	"5400353"
"5402511"	"5416862"	"5439782"
"5444805"	"5456797"	"5463649"
"5465860"	"5526371"	"5530781"
"5540346"	"5546209"	"5576149"
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"5618096"	"5618325"	"5629999"
"5671316"	"5672538"	"5703895".PN.
OR ("5717798" "5720893" "5737474"		
"5761364"	"5793521"	"5796906"
"5815611"	"5844929"	"5854868"
"5868952"	"5876107"	"5894492"
"5894539"	"5914760"	"5921652"
"5930423"	"5933562"	"5940557"
"5949933"	"5953477"	"5966617"
"5967637"	"5985685"	"5999295"
"6002829"	"6003222"	"6008675"
"6014396"	"6015976"	"6027220"
"6037189"	"6075801"	"6079838"
"6108478"	"6185356"	"6195481"
"6197656"	"6229947"	"6253009"
"6253099"	"6266464"	"6280052"
"6282345"	"6292609"	"6293688"
"6310995"	"6312787"	"6317445"
"6330378"	"6335999"	"6341872"
"6345138"	"6363188"	"6374013"
"6377726"	"6381380"	"6396984"
"6411764"	"6434303"	"6434975"
"6438279"	"6466717"	"6474827"
"6477301"	"6504985"	"6516120"
"6591049"	"6600864"	"6612722"
"6612723"	"6643419"	"6643433"
"6724535"	"6760520"	"6773126"
"6775460"	"6819814"	"6819849"
"6874913"	"6880948"	"6888985"
"6910783"	"6948832"	"6987919"
"7016573"	"7043120"	"7065272"
"7079727"	"7184623"	"7194156"
"7209628"	"7215846"	"7289698"
"7356211").PN.	OR ("2002/0154863"	
"2003/0174956" "2010/0142900"		
"3980392" "5259049" "5261017"		

			"5265177" "5333218" "5703895" "5987046" "6288833" "6633705" "6681069" "6768855" "6853775" "7099540" "7251406" "7289698" "7302138" "7469084" "7593615" "7668416").URPN.				
/ JMB /	S42	387	S41 not (S37 S38 S39 S40)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/12/04 16:47
/ JMB /	S43	6	("20040001421" "20090244778" "20040047161").pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/12/06 17:26
	S44	6202	369/112.01-112.29.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/12/08 13:29
/ JMB /	S45	250	369/112.01-112.29.ccls. and (taper\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/12/08 13:29
/ JMB /	S46	101	369/112.01-112.29.ccls. and (waveguide lightguide wave adj guide light adj guide light adj plate lightplate) with (step\$3 taper\$3 narrow\$3 widen\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/12/08 13:31
	S47	2417	385/43,146.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/12/08 13:32
	S48	6047	362/551-582.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/12/08 13:32
	S49	1818	349/65.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	ON	2011/12/08 13:33

			IBM_TDB				
/ JMB /	S50	1000	385/43,146.ccls. and (waveguide lightguide wave adj guide light adj guide light adj plate lightplate) with (step\$3 taper\$3 narrow\$3 widen\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/12/08 13:33
	S53	541	362/551-582.ccls. and (waveguide lightguide wave adj guide light adj guide light adj plate lightplate) with (step\$3 taper\$3 narrow\$3 widen\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/12/08 13:33
/ JMB /	S55	275	"369".clas. and (waveguide lightguide wave adj guide light adj guide light adj plate lightplate) with (step\$3 taper\$3 narrow\$3 widen\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/12/08 13:55
/ JMB /	S56	174	(S55 not S46)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/12/08 14:07
/ JMB /	S57	72	(S55 not S46) and @ad<"20040823"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/12/08 14:11
/ JMB /	S58	119	349/65.ccls. and (waveguide lightguide wave adj guide light adj guide light adj plate lightplate) with (step\$3 taper\$3 narrow\$3 widen\$4) and @ad<"20040823"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/12/08 14:17
/ JMB /	S59	1010	385/43.ccls. and @ad<"20040823"	US-PGPUB; USPAT; USOCR	OR	ON	2011/12/08 14:21
	S60	466	385/146.ccls. and @ad<"20040823"	US-PGPUB; USPAT; USOCR	OR	ON	2011/12/08 14:22
/ JMB /	S61	660	385/43,146.ccls. and (waveguide lightguide wave adj guide light adj guide light adj plate lightplate) with (step\$3 taper\$3 narrow\$3 widen\$4) and @ad<"20040823"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/12/08 14:22

EAST Search History (1 Interference)

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12/ 18/ 2011 12:34:04 AM

C:\Users\jbedtelyon\Documents\EAST\Workspaces\10583523 System and tapered waveguide for improving light coupling efficiency.wsp